



Robert Moser, MD, Secretary

Department of Health & Environment

Sam Brownback, Governor

March 15, 2012

Patti Brace
City of Pretty Prairie
119 W Main
PO Box 68
Pretty Prairie, KS 67570

Re: Public Water Supply - Sanitary Survey Inspection
Federal ID No.: KS2015501
State ID No.: T4000

Dear Patti Brace:

The Department of Health and Environment would like to thank you and the site visit participants for the courtesy and assistance provided during the January 25, 2012 sanitary survey inspection of the public water supply system for City of Pretty Prairie. These inspections are part of our program to ensure compliance with Kansas Administrative Regulations (K.A.R.). This letter documents observations noted during the inspection. If applicable, violations occurring during the last 24 months are included as an attachment to this letter.

Parties Present

Name	Organization
Zachary Phillips	KDHE South Central District Office
Shane Chandler	Pretty Prairie, City Of

Deficiencies for Resolution

We are pleased to report no Deficiencies for Resolution were noted during the public water supply inspection.

Recommendations

Although not deficiencies, the following observations made at the time of the inspection have the potential to result in deficiencies in the near future. KDHE strongly recommends that the following recommendations be addressed to maintain compliance with primary drinking water regulations.

- Based upon the information obtained during the public water supply inspection and review of the available records, the City of Pretty Prairie does not implement a formal customer water meter replacement program. The City of Pretty Prairie should consider implementing a formal meter replacement program in an effort to reduce water loss in the distribution system. Please find the enclosed article which discusses the importance and benefits of replacing customer water meters.

Ground Water Rule

The U.S. Environmental Protection Agency (EPA) published regulations for the Groundwater Rule (GWR) which became effective December 1, 2009. KDHE suggests your public water supply be aware of the following items in order to assure compliance with these new regulations:

- All systems which are achieving 4-log treatment and wish to comply with the GWR by providing this treatment must notify KDHE. This notification must include calculations that show how 4-log treatment is achieved. If your system can not achieve 4-log treatment or if you fail to provide prior notification, a positive bacteriological sample in the distribution system will trigger source water monitoring requirements.
- All wells should have a sampling tap available to sample the untreated raw water. If your wells do not have a sampling tap located prior to the point of chlorination or other treatment you should install a sampling tap. Systems that comply with the GWR through 4-log treatment do not need to install raw water sample taps.
- Maintaining required chlorine residuals throughout the entire distribution system will lessen the likelihood of positive bacteriological samples. Avoiding positive samples for total coliform bacteria in your distribution system will protect your consumer's health and will also prove beneficial when complying with the GWR.
- For assistance with the GWR, or if you have additional questions you may either contact me or you can call Darrel Plummer in the Topeka office at (785) 296-5523.

Reminders

- K.A.R. 28-15a-33 requires the owner or operator of a public water supply system to retain on its premises, or at a convenient location near its premises, records regarding the compliance activities associated with operating and maintaining the water system. These records are required to be maintained for a specific period of time ranging from three to ten years. In order to ensure that all records are maintained on file for the required period of time, the KDHE recommends that **all** records regarding your public water supply system be maintained for a minimum of ten years with the exception of K.A.R. 28-15a-91 which requires water systems to retain the records of lead and copper monitoring for no fewer than 12 years.
- According to K.A.R. 28-15-16, all plans for the future use of a source of supply, treatment, construction of new wells, water treatment plants, pumping stations, finished water storage facilities and distribution facilities including waterline extensions used in connection with the public water supply system must be approved by KDHE in our Topeka office prior to construction. A permit application must be submitted and approved by KDHE for any such improvements, except that while waterlines less than one mile in length do not require a permit application to accompany the submittal documents.
- K.A.R. 28-15-18(b) requires that you immediately notify the department and responsible local officials when a major breakdown or serious loss of water service occurs which presents or may present an imminent and substantial endangerment to human health.
- Ten hours of training are required during every two-year renewal period for Class I - IV water and wastewater operators. Five hours of training are required every two years for Small Systems operators. Failure to attain the required continuing education will result in non-renewal of an operator's certificate. Please contact the Technical Services Section - Operator Training office at (785) 296-5511 or my office if you need a list of training classes and dates.

Should you have any comments or questions concerning this letter please contact me by e-mail at zphillips@kdheks.gov or by telephone at 316-337-6034.

Sincerely,

A handwritten signature in black ink, reading "Zachary W. Phillips". The signature is fluid and cursive, with the first name "Zachary" being the most prominent.

Zachary Phillips
Environmental Scientist

pc: eFile

Attachments

SAMPLING HISTORY and VIOLATIONS

Bacteriological Sampling History

Positive bacteriological sampling history for the past 2 years:

- No Positive Samples were reported in the past 2 years.

Samples that were rejected by the lab during the past 2 years:

Sample Number	Sample Type	Collection Date	Location	Rejection Reason
1415125	Routine	2/21/2012	201 SOUTH RHODES (LAB ACCIDENT)	Lab Accident

Violation History

Monitoring Violations during the past 2 years:

- No monitoring violations were reported in the past 2 years.

Maximum Contaminant Level (MCL) Violations during the past 2 years:

Violation Date	Sample Result	Maximum Contaminant Level	Analyte or Analyte Group	Compliance Period
03/09/2012	16 MG/L	10 MG/L	NITRATE	01/01/2012 - 03/31/2012
12/19/2011	16 MG/L	10 MG/L	NITRATE	10/01/2011 - 12/31/2011
09/20/2011	16 MG/L	10 MG/L	NITRATE	07/01/2011 - 09/30/2011
07/05/2011	15 MG/L	10 MG/L	NITRATE	04/01/2011 - 06/30/2011
03/14/2011	14 MG/L	10 MG/L	NITRATE	01/01/2011 - 03/31/2011
12/17/2010	14 MG/L	10 MG/L	NITRATE	10/01/2010 - 12/31/2010
09/24/2010	15 MG/L	10 MG/L	NITRATE	07/01/2010 - 09/30/2010
07/01/2010	15 MG/L	10 MG/L	NITRATE	04/01/2010 - 06/30/2010

Attachments

INSPECTION NOTES

For Office Use Only

Operator Certification:

Mr. Shane Chandler was issued an O.I.T. to operate the public water supply system.

Changes, Modifications and Improvements (since last inspection):

Minor changes and repairs were made to the elevated water tower by Maquire Iron, Inc. Various isolation valves in the distribution system have been replaced.

Water Quantity/Quality Issues:

No water quantity issues reported. Groundwater from Well 05 has a nitrate concentration above the MCL concentration.

Wells/Intakes:

No deficiencies noted.

Storage Facilities:

No deficiencies noted.

Treatment Facilities:

No deficiencies noted. The City of Pretty Prairie contracts with Maguire Iron, Inc. for annual maintenance and inspection.

Distribution Facilities:

Water pressure in the distribution system ranges from 48 to 52 psi. A HACH Pocket Colorimeter II is used to check the daily chlorine residual concentration.

Value and Location of Chlorine Residual at Time of Inspection: 1.60 at the treatment plant.

Water Loss Percentage: 15.6 %. The city of Pretty Prairie is using KRWA for assistance with finding water leaks.

Meter Replacement Program: None.

Valve Exercise Program: Half of the isolation valves were exercised in 2011, based upon the records available for review.

Line Flushing Program: Half of the fire hydrants were exercised in 2011, based upon the records available for review.

Recordkeeping:

All requested documents and records were available for review when requested.

Attachments

Field GPS Collection:

GPS data has been previously collected.

Future Changes, Modifications and Improvements:

There are no anticipated changes.

SWIFT Central – Inventory Change Report

Water System Number: KS2015501
Water System Name: PRETTY PRAIRIE, CITY OF

Water System Basic Information

SDWIS Field	Old Value	New Value
Status Reason	SYSTEM DATE 1/1/1950; SNSV 1/15/09 HMCH	SYSTEM DATE 1/1/1950; SNSV 1/15/09 HMCH; SNSV 3/14/2012 ZPHILLIP; SNSV 1/25/2012 ZPHILLIP
Last SNSV Date	01/15/2009	01/25/2012

Service Connections

SDWIS Field	Old Value	New Value
Service Connections	28	48

Service Connections

SDWIS Field	Old Value	New Value
Service Connections	1	2

Service Connections

SDWIS Field	Old Value	New Value
Service Connections	296	255

Facility

Facility Name: WELL 05
State Assigned Ident: 00203359 Type Code: WL

Facility Basic Information

SDWIS Field	Old Value	New Value
Local Name		WELL 5

Legal Entities

Name: CHANDLER, SHANE

Legal Entity Contact Information

SDWIS Field	Old Value	New Value
Type Code	BUS	MOB
Phone Number	620-664-4337	620-664-4337

Legal Entity Contact Information

SDWIS Field	Old Value	New Value
Type Code		BUS
Phone Number		620-459-6201

Site Visit Report

KS2015501 PRETTY PRAIRIE, CITY OF

Date of Visit 1/25/2012 **Status** C-Completed

Regulating Agency SOUTH CENTRAL DISTRICT

Primary Reason SNSV-Sanitary Survey,
Finished

WS Notification Date 3/19/2012

Visit Frequency Every 3 Years

Next Due Date 1/25/2015

Comment

Category Evaluation Summary

Source N-None
Treatment N-None
Distribution System R-Recommendations
Finished Water Storage N-None
Pumps (fac, cntls, etc.) X-Not Evaluated

M&R & Data Verification N-None
Management & Operations N-None
Operator Compliance N-None
Security X-Not Evaluated
Financial X-Not Evaluated
Other X-Not Evaluated

Parties Present

Name	Organization	Name	Organization
ZACHARY PHILLIPS	KDHE SC DISTRICT OFFICE	SHANE CHANDLER	PRETTY PRAIRIE, CITY OF

Observations/Deficiencies

Category M&R and Data Verification **Severity** None **Facility**
Date Identified: 1/25/2012 **WS Notification Date:** 3/19/2012 01/26/2012
Resolved Date:
Description: NONE - No deficiencies were observed for this facility or criteria.
And/Or Text:
Comment:

Observations/Deficiencies

Category Operator Compliance with State Requirements **Severity** None
Date Identified: 1/25/2012 **WS Notification Date:** 3/19/2012
Description: NONE - No deficiencies were observed for this facility or criteria.
And/Or Text:
Comment:

Facility

Resolved Date:
01/26/2012

Category System Management and Operation **Severity** None
Date Identified: 1/25/2012 **WS Notification Date:** 3/19/2012
Description: NONE - No deficiencies were observed for this facility or criteria.
And/Or Text:
Comment:

Facility

01/26/2012
Resolved Date:

Category Treatment **Severity** None
Date Identified: 1/25/2012 **WS Notification Date:** 3/19/2012
Description: NONE - No deficiencies were observed for this facility or criteria.
And/Or Text:
Comment:

Facility 00123378-TP001

01/26/2012
Resolved Date:

Category Source **Severity** None
Date Identified: 1/25/2012 **WS Notification Date:** 3/19/2012
Description: NONE - No deficiencies were observed for this facility or criteria.
And/Or Text:
Comment:

Facility 00203359-WELL 05

01/26/2012
Resolved Date:

Observations/Deficiencies

Category Finished Water Storage **Severity** None **Facility** 79950354-STORAGE TANK 01

Date Identified: 1/25/2012 **WS Notification Date:** 3/19/2012 **Resolved Date:** 01/26/2012

Description: NONE - No deficiencies were observed for this facility or criteria.
And/Or Text:

Comment:

Category Distribution System **Severity** Recommendations **Facility** DS1-DISTRIBUTION

Date Identified: 1/25/2012 **WS Notification Date:** 3/19/2012 **Resolved Date:**

Description: DMTC - Is there a program for inspecting and/or replacing customer meters?
And/Or Text:

Comment: Based upon the information obtained during the public water supply inspection and review of the available records, the City of Pretty Prairie does not implement a formal customer water meter replacement program. The City of Pretty Prairie should consider implementing a formal meter replacement program in an effort to reduce water loss in the distribution system. Please find the enclosed article which discusses the importance and benefits of replacing customer water meters.